

ANNUAL REPORT

UPON THE

PUBLIC HEALTH

AND

SANITARY CONDITION

OF THE

GOOLE RURAL DISTRICT,

FOR THE YEAR 1915.

BY

W. B. MILL, M.D.,

B.C., D.P.H.,

Fellow of the Society of Medical Officers,

MEDICAL OFFICER OF HEALTH,

AND

A. M. RADCLIFFE,


M.B., CH.B., D.P.H.,

ACTING MEDICAL OFFICER OF HEALTH.

GOOLE:

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TO THE GOOLE RURAL DISTRICT COUNCIL.

MR. CHAIRMAN AND GENTLEMEN,

We beg to submit our Annual Report upon the state of the Public Health and Sanitary condition of your district for the year 1915.

In conformity with the wishes of the Local Government Board this report will be briefer than usual.

POPULATION.

The civil population of the district is estimated by the Registrar General to have been 8,266 at the middle of the year. This figure is arrived at by calculations based on the result of the National Register compiled in August, 1915, and is the population on which the death rates are calculated.

BIRTHS AND BIRTH RATE.

212 births were registered in the district, being 16 less than last year, and one more than the previous year. As these infants were not all the children of civilians, the birth rate is calculated on the total estimated population at the middle of 1914, and works out at 24·4 per 1,000 of population. This rate is the lowest since 1912, when the rate dropped to 23·4. It is, however, 2·5 higher than the average for England and Wales, and 3·7 higher than the average for rural districts in England and Wales.

Comparing the birth rates in the Sub-Districts with that for 1913 and 1914 we get the following figures :

	1913	1914	1915
Goole Registration District...	25·3	22·2	27·9
Swinefleet do. ...	22·2	24·1	22·1
Snaith do. ...	26·2	29·4	24·7

17 births were illegitimate, as compared with 20 last year and 26 in the previous year.

DEATHS AND DEATH RATE.

119 deaths took place in the district, giving a total or gross death rate of 14·3. Of these 119 deaths 14 were those of persons not ordinarily resident in the district, and 14 residents of the district died elsewhere. This leaves the nett number of deaths at the original figure, 119, and gives a nett death rate equal to the gross one, 14·3. This death rate is higher than last year, but slightly under the average for the last five years. The death rate for England and Wales was 14·8, and for the

Rural areas 13·6. There was a considerable increase in the number of deaths attributed to bronchitis, 15 against six. There were three more deaths attributed to congenital causes than during last year. "Diseases ill-defined or unknown" account for 12 more deaths this year than last, whilst "other defined diseases" show a decrease of eight. "Cancer and malignant disease" accounts for four fewer than last year.

There were no deaths from notifiable infectious diseases except tuberculosis.

The death rate in the Sub-Districts compared with previous years is as follows :

	1913	1914	1915
Goole Rural Registration District	17·6	10·4	14·7
Swinefleet do.	13·5	13·8	12·6
Snaith do.	17·2	13·4	14·8

23 deaths of infants under one year were registered, as compared with 26 last year, and 30 the year before. The infant mortality rate (per 1,000 blrths registered) works out at 108, the lowest figure since 1910. There is an increase of three in the number of deaths attributed to congenital causes as compared with last year. There is also an increase of two in those from tuberculosis meningitis. On the other hand "diarrhœa and enteritis" account for three fewer than last year, pneumonia for one less, and there was a complete absence of mortality from measles, scarlet fever, whooping cough, and diphtheria.

The "infantile mortality" rate for [England and Wales was 110, and for the rural districts 98.

There were five deaths of illegitimate children, as compared with six last year.

INFECTIOUS DISEASES.

73 cases were notified, as compared with 39 last year, and 97 in the previous year. Of these 73 cases 42 were scarlet fever, 22 diphtheria, two enteric fever, six pulmonary tuberculosis, and one non-pulmonary tuberculosis.

SCARLET FEVER.—There was a considerable outbreak of this disease at Rawcliffe Bridge, 37 cases in all. The first case was notified on January 22nd, and between that date and March 16th seven further cases were notified. On May 15th a teacher at the school was reported to be suffering from the disease. The acting Medical Officer of Health visited the school on May 26th and examined a number of children, four

were found to be suffering from a condition believed to be scarlet fever in an exceedingly mild form. These children were removed to hospital, the school disinfected and closed until June 11th. On June 16th the school was again visited and children examined. Visits were paid to cottages where children were ill, and as a result two more mild cases were discovered. As the disease appeared not to decrease in incidence a house to house examination was made, and 13 children removed to hospital on June 29th. On July 6th a further visit was made, but without any further cases being discovered. A new case was, however, notified on July 29th, and another on August 4th. Thereafter cases continued to be notified occasionally until September 16th. This outbreak appeared to spread because of the exceeding mildness of the type, the parents not deeming medical attendance necessary, and considering the disease to be either measles or mumps. A poster was displayed on the walls setting out the penalties incurred by exposure of infected persons and clothing, and by failure to notify, and this appeared to have a salutary effect.

The remaining cases appeared to be sporadic in type, two cases occurring at Hook in June; one, the teacher above mentioned, at Rawcliffe in May; and two, mother and son, at Snaith in October and November.

DIPHTHERIA.—22 cases were notified in addition to one military case not included. The first case was notified and removed to hospital from Hook on the 7th of June. On the 4th of July a further case at Hook was notified, and removed to hospital on the same day. Between that date and the 18th of July eleven further cases were reported and isolated. Five of the cases were from one house, four from another, and two from a third. The school was closed and disinfected, and no further cases appeared. The remaining cases were sporadic, and apparently not connected with each other. Two cases appeared to have contracted the disease at school in Goole.

ENTERIC FEVER.—There were two cases, a mother and her daughter, at Swinefleet.

PULMONARY TUBERCULOSIS.—Of the cases of phthisis three were school children, two agricultural labourers, and one a domestic servant. The latter case proved fatal.

NON-PULMONARY TUBERCULOSIS.—The one case was a school boy, who had contracted the disease in the cervical glands,

SCHOOL CLOSURE.—The following schools were closed on account of outbreaks of the diseases mentioned :

Rawcliffe Bridge Council—May 27 to June 11, scarlet fever.

Ditto June 17 until Summer holidays,
scarlet fever.

Hook Church of England—July 17 until summer holidays,
diphtheria.

WATER SUPPLY.

The parishes of Snaith and Cowick, Rawcliffe and Rawcliffe Bridge, Hook, and Swinefleet, are supplied with water from the Goole Urban District's supply at Pollington. The water is of excellent quality, and is now used generally in these villages except at Rawcliffe and Swinefleet, where strenuous efforts are being made to induce owners of property to lay on the water.

In the Marshland villages the supply of drinking water is commonly obtained from rain-water cisterns, which are apt to fail in very dry weather, and need constant cleansing.

At the farmhouse on Swinefleet Common, mentioned in the last two annual reports, an attempt has been made to improve the existing supply by cleansing the well and altering the sanitary arrangements. No further case of enteric fever has occurred there.

DRAINAGE.

Eighty yards of new sewer was laid at Hook during 1915. It is proposed to lay a sewer at West End, Rawcliffe. At present the sewage from this portion of the village runs into an open drain, which is a nuisance.

CLOSET ACCOMMODATION.

The prevailing type of closet in the district is the privy and midden. The majority of these are comparatively modern, especially in the villages, but doors are not so common as we could wish, and middens are, generally speaking, too large.

HOUSING.

A report of the housing conditions at Rawcliffe, including Rawcliffe Bridge, was prepared and presented to you. Your Council decided that only the more urgent matters should be dealt with at the time, and the others left over until after the War.

During 1915 264 houses were examined under the provisions of the Housing and Town Planning Act. Of these seven were found to be unfit for habitation. Closing Orders were asked

for and made in these cases. One house was made fit without the making of a Closing Order, and three others after the Orders were made. Much of the remainder of the property was dilapidated and damp.

A special report on the housing conditions at Swinefleet is in course of preparation.

No new houses were constructed during 1915.

MILK SUPPLY.

There are 38 milk sellers registered in the district. All are also cowkeepers. There are 38 cowsheds occupied by these registered milk sellers, and about 300 cows are kept. The premises are kept in fair condition.

SLAUGHTER HOUSES.

There are nine registered slaughter houses in the district, and they are kept in good condition.

OUT-WORKERS.

There are none employed in the district.

SUMMARY OF HOUSING WORK DURING 1915.

No. of Houses Inspected	...	...	...	264
No. found unfit for habitation	...	...	...	7
No. of representations made with a view to making				
Closing Orders...	...	...	...	7
No of Clcsing Orders made	...	...	...	7
No. of Houses with defects remedied without Closing Orders				1
No. of Houses made fit after Closing Orders made	...			3
General character of defects found.				
Roofs Leaky, making				
Walls Damp, and Generally Dilapidated.				
No. of cases of overcrowding dealt with during 1915.	...			1
at Rawcliffe Bridge. Removed to larger house.				

We are, Gentlemen,

Your obedient Servants,

W. B. HILL,

Medical Officer of Health.

A. H. RADCLIFFE,

Acting Medical Officer of Health.

TABLE I.

VITAL STATISTICS DURING 1915 AND PREVIOUS YEARS IN
THE RURAL DISTRICT OF GOOLE.

Year	Population estimated to Middle of each year.	BIRTHS.			TOTAL DEATHS REGISTER- ED IN THE DISTRICT.		TRANSFER- ABLE DEATHS		Nett Deaths belonging to the District.			
		U corrected Number.	Number.	Rate.	Number.	Rate.	of Non-Residents registered in the District.	of Residents not registered in the District.	under 1 yr. of age		At all ages.	
									Number.	Rate per 1000 Nett Births.	Number.	Rate.
1910 ..	7800	232	..	29.7	114	14.6	5	12	22	95	121	15.5
1911 ..	8530	218	219	25.6	132	15.5	12	7	26	121	127	14.9
1912 ..	8570	199	201	23.4	107	12.5	3	10	25	124	114	13.3
1913 ..	8590	213	214	24.9	129	15.0	9	19	30	140	139	16.2
1914 ..	8650	228	228	26.35	119	13.87	12	7	26	114	114	13.17
1915 ...	†8266	212	212	24.4	119	14.3	14	14	23	108	119	14.3

† Civil Population as estimated by the Registrar General.

Area of District in acres (exclusive of area covered by water) .. 38,238 Acres.

Total population at all ages	8,518	} At Census, 1911.
Number of inhabited houses	1,981	
Average number of persons per house	4.3	

TABLE II.

CASES OF INFECTIOUS DISEASES NOTIFIED DURING THE YEAR 1915,
IN THE RURAL DISTRICT OF GOOLE.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT							TOTAL CASES NOTIFIED IN EACH LOCALITY.			
	At Ages—Years.							Goole.	Snaith.	Swinefleet.	Total cases removed to Hospital.
	At all ages	Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards			
Small Pox ...	..	..	..	..	..	..	..	..	..	..	..
Cholera ...	..	..	..	..	..	..	..	..	..	..	..
Diphtheria (including Membranous Croup) ...	22	1	4	15	1	1	..	..	6	2	19
Erysipelas ...	42	..	7	32	1	2	..	..	40	..	31
Scarlet Fever ...	..	..	..	..	..	..	..	..	..	2	..
Typhus Fever ...	2	..	..	..	1	1	..	..	..	..	..
Enteric Fever ...	..	..	..	..	..	..	..	..	..	..	..
Relapsing Fever ...	..	..	..	..	..	..	..	..	..	..	..
Continued Fever ...	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever ...	..	..	..	..	..	..	..	..	..	..	..
Cerebro spinal Meningitis ...	..	..	..	..	..	..	..	..	..	..	..
Poliomyelitis ...	..	..	..	..	..	..	..	..	..	..	..
Ophthalmia ...	..	..	..	..	..	..	..	..	..	..	..
Neonatorum ...	..	..	..	..	..	..	..	..	..	..	..
Pulmonary Tuberculosis ...	6	..	..	3	1	..	2	..	6	..	..
Other forms of Tuberculosis ...	1	..	..	1	..	..	..	..	1	..	..
Totals...	73	1	11	51	4	4	2	..	53	4	50

Isolation Hospital or Hospitals, Sanatoria, &c.—For General Infectious Diseases at Hook in the Goole Rural District,
For Small Pox at Goole (Goole Urban Council). Sanatoria provided by the West Riding County Council.

TABLE III.

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1915,
IN THE RURAL DISTRICT OF GOOLE.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SURJOINED AGES.									Total Deaths in Public Institutions.
	All Ages.	Under 1.	1 and under 2.	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	
All Causes—Certified	119	23	3	2	5	3	9	16	58	11
Enteric Fever	..	..	..	..	..	..	..	..	..	..
Small-pox	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	..	..
Diphtheria and Membranous Croup	..	..	..	..	..	..	..	..	..	..
Epidemic Influenza	2	..	..	..	..	..	..	..	2	11
Erysipelas	..	..	..	..	..	1	..	..	..	..
Phthisis (Pulmonary Tuberculosis)	3	3	..	..	..	..	..	..	2	..
Tuberculous Meningitis	3	3	..	..	..	..	1	3	..	..
Other Tubercular Diseases	1	..	..	..	..	..	1	..	4	..
Cancer, Malignant Disease	8	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	..	..	..	..	..	..
Meningitis	..	..	..	..	1	1	..	2	7	..
Heart Diseases	11	2	..	1	..	..	1	1	11	..
Bronchitis	15	1	2	1	..	1	2	..	2	..
Pneumonia	9	1	..	..	..	..	1	..	..	..
Other Diseases of Respiratory Organs	1	1	..	..	..	..	..	..	..	..
Diarrhoea and Enteritis	1	1	..	..	..	..	..	..	..	..
Appendicitis and Typhlitis	..	..	..	..	..	..	..	..	..	..
Cirrhosis of Liver	..	..	..	..	..	..	..	..	..	..
Alcoholism	..	..	..	..	..	..	1	2	2	..
Nephritis and Bright's Disease	5	..	..	..	..	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	1	..	..	..
Diseases and Accidents of Parturition	1	..	..	..	..	..	..	..	..	..
Congenital Debility and Malformation, including Premature Birth	18	12	..	1	2	..	..	3	..	..
Violent Deaths, excluding Suicide	5	..	..	..	2	..	..	1	..	..
Suicides	1	4	1	..	2	..	1	4	14	..
Other Defined Diseases	26	..	..	..	..	..	..	..	14	..
Diseases ill-defined or unknown	14	..	..	..	..	..	..	..	14	..
Totals	119	23	3	2	5	3	9	16	58	11

TABLE IV.

INFANTILE MORTALITY DURING THE YEAR 1915.
DEATHS FROM STATED CAUSES IN WEEKS AND MONTHS UNDER ONE
YEAR OF AGE IN THE RURAL DISTRICT OF GOOLE.

CAUSE OF DEATH.														
All Cause— certified	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping-Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Abdominal Tuberculosis	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculo-is Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis (not Tuberculous)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Laryngitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia (all forms)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteritis	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gastritis	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atelectasis	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congenital Malformations	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Premature birth	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility and Marasmus	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acute Rheumatism	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pleurisy	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Under 1 Week.	6	1	1	..	8	3	5	1	6	3	5	1	1	23
1-2 Weeks.	1	1	..	..	..	..	..	..	..	..	..	..	..	..
2-3 Weeks.	1	..	..	..	..	..	..	..	..	..	..	..	..	..
3-4 Weeks.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total Deaths under One Month	8	6	3	..	..	..	..	..	..	..	..	..	..	..
1-3 Months.	6	3	5	1	..	..	..	..	..	..	..	..	..	..
3-6 Months.	3	1	..	..	..	..	..	..	..	..	..	..	..	..
6-9 Months.	5	1	..	..	..	..	..	..	..	..	..	..	..	..
9-12 Months.	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Total Deaths under One Year.	23	23	23	23	23	23	23	23	23	23	23	23	23	23

Births in the Year { legitimate 195. Deaths in the Year of { legitimate infants 18.
illegitimate 17 illegitimate infants 5.

TABLE C. 1915.

GOOLE RURAL SANITARY DISTRICT

WATER SUPPLY—

Any development during 1915?	.. ..	No.
Any insufficiency, and where?	.. In dry weather the Marshland villages	
Any curtailment?	.. ..	No. [have not sufficient
Did any wells fail, and where?	.. ..	No.
Any unsatisfactory quality and where?	.. ..	Yes, in Marshland district.
Any unchecked plumbo-solvent action?	.. ..	No.

DRAINAGE AND SEWERAGE—

Any Developments during 1915? .. 80 yds of 6in. Sewer laid at Hook.
 Developments still needed as to (a) Want of sewers Proposed to lay 120 yds at
 Rawcliffe, West end.
 (b) Improvement of defective sewers
 Short length at Commonpiece, Swinefleet, relaid.
 Any inadequacy of Sewage Disposal Works
 or complaints as to smells? No.
 No. of sink-wastes disconnected during 1915.. 1. Trapped—0.
 Proportion of sink-wastes still needing disconnection—Very small.
 Untrapped—

CLOSET ACCOMMODATION—

No. of Privies with open middens—171. No. of Pail or Tub Closets—336
 No. of Privies with covered middens—1223. No. of Water Closets—40.
 Are proper doors and coverings generally provided? In most cases
 Waste-water Closets—0. No. of Privies re-constructed during 1915 (a) as w.c.'s—0
 (b) other—5. No. of additional Closets newly constructed for old property
 in 1915, (a) w.c.'s—0. (b) other—0. No. of Closets constructed in 1915 for new
 houses (a) w.c.'s 0. (b) other—0.

SCAVENGING—

How is refuse disposed of (a) Destructor? No. (b) Tips—Yes.
 c) Farmers take it in all villages except Swinefleet
 Rawcliffe, Snaith & Cowick.
 Total annual cost, Swinefleet, £60; Snaith, £49; Rawcliffe, £105. Total, £214
 Is there any inequality, and where? .. None Known.
 Any change during 1915? No.

NUISANCE INSPECTION—

Total No. of Inspections made in 1915 ..	1114.		
Informal Notices served ..	45.	Complied with ..	40.
Statutory Notices served ..	43	Complied with ..	24.
Total No. of Nuisances in hand at close of 1914 ..	7.	At close of 1915 ..	6
„ „ reported during 1915 ..	66.	Abated during 1915..	67.
„ Summonses or other legal proceedings ..	..	..	None.

Regulated Buildings, Trades, &c.	No. in District.	No. on Register.	No. of Inspections.	General Condition.	Legal Proceedings
Common Lodging Houses	.. 2 ..	..	5	.. In good order.	.. None.
Canal Boats .. ..	.. 0 ..	..	13	.. „ „	.. None.
Knackers Yard ..	.. 1 ..	..	3	.. „ „	.. None.
Offensive Trades ..	.. 1 ..	..	4	.. „ „	.. None.
Triperry					

Have the Council declared any other processes to be offensive, e.g.,
Fish-frying, Maggot-breeding, etc. ? No.

SCHOOLS—

No. of Elementary Schools in District	..	..	..	..	..	..	..	..	..
No. of Visits to Schools	..	..	..	..	..	..	..	..	25
Action taken.	...	Closure in 3 instances.	Bacteriological and Physical	Examinations, etc.					

MILK SUPPLY—

No of samples taken by Officers of S.A. for analysis under F. & D. Acts	..	1
No. adulterated	..	1
What arrangement for Veterinary Inspection of dairy cows?	..	None
Any instance of disease attributed to milk in 1915	..	No
No. of Cowkeepers in District?	..	No. Registered .. 38.
No. of Milk Sellers who are also Cowkeepers	..33.	Purveyors' only .. 0
No. reg't'd	33.	Total No. of Cowsheds 33
No. of Inspections in 1915	70.	
General Condition	In fair order.	Approx. No. of Milch Cows in District 310.
Any insufficiency in Milk Supply?	No.	
Legal proceedings under D.C.M. Orders	..	None.
Any Inspection or other action by Districts to which Milk is sent?	..	No.

OTHER FOODS—No of seizures of unsound food	..	..	..	..	..	..	..	..	None.
Kind and quantity	..	..	..	..	..	..	..	..	..
No. of Prosecutions	..	None.	No. of Slaughter Houses	..	9.				
No. Registered	..	9.	Kind and Condition	..	In Good Condition.				

HOUSING—Is there any scarcity of houses, and where?	..	..	No.
Any overcrowding of persons in houses and where?	..	..	None Known.
No. of cases dealt with	One, at Rawcliffe Bridge.—removed to larger house		
Any special activity in house building, and where?	..	..	No.
No. of new houses built 1915 (a) Working-class dwellings,	0.	(b) Other	0
Are there any working-class dwellings erected by the Sanitary Authority	No.		
Are Sanitary Authority contemplating erection of working class dwellings?	No.		
Any Town Planning Scheme contemplated?	...	..	No.
Who has been designated as an Inspecting Officer under Article II.	of the Housing Regulations, 1910	ROBT. PLEWES, 4, Belgravia, Goole.	
No. of houses inspected under the Act and Regulations	..	..	264.
No. of houses found unfit for habitation	..	..	7.
No. of representations made to L.A.	7.	No. of Closing Orders	.. 7.
No. of houses with defects remedied without Closing Orders	..	1.	
No. of houses made habitable after Closing Order	..	..	3.
General character of defects found—Roofs Leaky, making walls damp, and generally dilapidated.			
Obstructive Buildings—Any building represented by M.O.H. under Section 38 (1) of 1890 Act?	..	..	No.
Any building represented by Inhabitant Householders under S. 38 (2)?	No.		
Re-construction Schemes—Have L.A. directed any to be prepared under Sec. 39 of 1890 Act?	...	..	No.
Unfit Houses—Any complaints by Inhabitant Householders under Sec. 31 of 1890 Act?	..	..	No.
Any regulations made in respect of underground sleeping rooms			
Any action in respect of such rooms?	..	No.	[under Sec. 17 (7)? No.

FACTORIES AND WORKSHOPS—

Any smoke nuisance, and where?	..	..	..	..	..	..	..	No.
No. of smoke observations taken	None.

ADOPTIVE ACTS—

Acts adopted during 1915	None.
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BYE-LAWS AND REGULATIONS—

Any adopted during 1915	None.
Are any other Byelaws needed?	No.

INFECTIOUS AND OTHER DISEASE—

What diseases have been specially prevalent in 1915? .. 1 Scarlet Fever.
 .. 2 Diphtheria.
 Any special action to combat same? House-to-house examinations, School
 closure, Isolation, etc.
 Is Hospital accommodation adequate and sufficient? Yes.
 What arrangements for supply of Antitoxin? Paid for by Council.
 Any diseases specially added to notifiable List? No.
 Any influences threatening the health of the District? Housing conditions.

SPECIAL REPORTS AND INVESTIGATIONS—

Housing Conditions at Rawcliffe & Rawcliffe Bridge. Scarlet Fever at
 Rawcliffe Bridge.

TUBERCULOSIS—Inspection of patient's home and workshop Yes.
 Examination for contacts .. Disinfection After death or removal.
 Distribution of advice leaflets Action re spitting
 Shelters provided By W.R.C.C. Is sputum examined? Yes.
 Tuberculosis Dispensaries—Any suggestions? No.

BACTERIOLOGY—

Is County Laboratory used? Yes. Any suggestions? No.

INFANTILE MORTALITY—What organised effort to control it? By W.R.C.C.
 Any Baby Clinic, Baby's Welcome, or Mother's League? No.
 Causes of any excessive Infant Mortality in 1915 None.

VITAL STATISTICS—

Births during 1915—Males .. 110. Females .. 102. Total 212.
 Number illegitimate, included in the above 17.
 Number of Still Births (not included) ?.
 Deaths during 1915—() Gross Deaths, i.e., total actually registered in the
 district without any correction 119.
 (2) Nett Deaths, on which the rates are calculated—
 Males .. 64. Females .. 55. Total .. 119.
 Number uncertified, included in the above None.

MISCELLANEOUS—

Mean Temperature for Year 1915 .. No record Rainfall .. No record.
 What mortuary accommodation (a) for accidents etc. None.
 .. (b) for infectious cases None.
 No. of burial grounds .. 10. Any need for extensions .. No.

SANITARY STAFF—

What is the present Annual Salary of the M.O.H.? £100
 Name of Sanitary Inspector Robert Plewes
 Annual Salary as Inspector £107.
 Other appointments held Highway Surveyor.
 Salary for such other appointments £118.
 Any Assistants? No. Is Staff sufficient? Yes

1.—INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES.

Premises.	Number of		
	Inspections	Written Notices.	Prosecutions.
5 FACTORIES (Including Factory Laundries)	7	—	—
17 WORKSHOPS (Including Workshop Laundries)	26	—	—
WORKPLACES (Other than Outworkers' premises included in Part 3).	4	—	—
Total ..	37	—	—

2.—DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.—NIL.

3.—HOME WORK.—NIL.

4.—REGISTERED WORKSHOPS.

Dressmakers	...	...	...	} 17
Joiners	...	...	...
Blacksmiths	...	...	...
Shoemakers	...	...	...
Tripe Preparing Works	...	...	...	1
Bakehouse	...	...	...	1
Total	...	...	...	19

5.—OTHER MATTERS.

INSPECTIONS MADE, NUISANCES ABATED, &c., DURING 1915.

Number of Inspections made	...	...	1114
Number of Nuisances found	...	...	66
Number of Notices Served	...	...	43
Number of Verbal Notices	...	...	45
Number of Nuisances abated	...	...	67
House Drains examined and cleansed	...	...	5
Sinks disconnected	...	...	4
Cesspools removed and Gulleys substituted	...	...
Cesspools cleansed every Three Months	...	...	60
Old Privies and Ashpits reconstructed	}	...	5
New Privies...			
Houses cleansed and disinfected after Infectious Disease	...	...	56
New Houses erected	...	...
Inspections of buildings in course of erection	...	...	4
Inspections of Canal Boats	...	...	18
Cowkeepers Registered...	...	...	38
Number of Cows in district	...	...	310
Number of Slaughter Houses on Register	...	...	9
Number of Inspections of Slaughter Houses	...	...	18
Notices to Whitewash Cowsheds	...	...	6
Village Water Courses cleansed	...	...	4½ miles
Number of Common Lodging Houses on Register	...	...	2
Number of Inspections made	...	...	7

ROBERT PLEWES,

February, 1916.

INSPECTOR.